



“Y(OUR) EARTH: THE NEW COVENANT OF MAYORS FOR A FAIRER, CLIMATE-NEUTRAL EUROPE”

Renovation Wave to help cities and regions achieve climate neutrality

Andres Jaadla

CoR Ambassador of Covenant of Mayors

vice-mayor city of Rakvere

Building a **climate neutral Europe**



THE NEW COVENANT OF MAYORS

Andres Jaadla Cor CoM Ambassador



European
Commission

Need of European Renovation Wave

- **A refurbished and improved building stock in the EU will help pave the way for a decarbonised and clean energy system, as the building sector is one of the largest energy consumers in Europe and is responsible for more than one third of the EU's emissions.**
- **But only 1% of buildings undergo energy efficient renovation every year, so effective action is crucial to making Europe climate-neutral by 2050.**
- **Currently, roughly 75% of the building stock is energy inefficient, yet almost 85-95% of today's buildings will still be in use in 2050.**



Have your say
on the new
#RenovationWave
initiative!

#EUGreenDeal

A renovation wave for Europe

- To pursue this ambition of energy gains and economic growth, the **Commission published on 14 October 2020 a new strategy** to boost renovation called "[A Renovation Wave for Europe – Greening our buildings, creating jobs, improving lives](#)" (COM(2020)662).
- It aims to **double annual energy renovation rates in the next ten years.**
- These renovations will **enhance the quality of life for people living in and using the buildings**, reduce Europe's greenhouse gas emissions, and **create up to 160,000 additional green jobs in the construction sector.**

A profile photograph of Frans Timmermans, a man with a grey beard and glasses, wearing a dark suit. He is looking towards the right. The background is a dark blue and green gradient with a faint grid pattern.

“Urban climate action is at the heart of the European Green Deal and is essential to achieving a Global Green Deal.”

Frans Timmermans
*European Commission Executive Vice-President
for the European Green Deal, Co-Chair,
Global Covenant of Mayors for Climate & Energy*



A renovation wave for Europe -energy poverty

- With nearly **34 million Europeans unable to afford keeping their home adequately heated, renovation is also an important response to energy poverty.** It can address the health and wellbeing of vulnerable people while reducing their energy bills, as outlined in the [Commission Recommendation on Energy Poverty](#) ((EU) 2020/1563), which was published as part of the Renovation wave strategy.
- In parallel to the strategy, the **Commission adopted new rules for the smart readiness of buildings** (C(2020)6929-6930). Specifically, the smart readiness indicator aims to **promote digitally friendly renovations, integrate renewable energy and enable measurements** of actual energy consumption.

Energy efficiency in buildings



EU renovation wave initiative

- The renovation wave initiative will build on measures agreed under **the Clean energy for all Europeans** package, notably the requirement for each EU country to publish a [long-term building renovation strategy](#) (LTRS), other aspects of the amending
- Directive on the **Energy Performance of Buildings** ((EU) 2018/844), and building-related aspects of each EU country's [national energy and climate plans](#) (NECP).

The background of the slide is a photograph of a modern, multi-story residential building. The building features a mix of light-colored and dark grey horizontal cladding. Several windows are visible, some with balconies. A large blue circle is overlaid on the left side of the image, containing white text. A green leaf-like shape is partially visible on the far left edge.

More energy and
resource **efficient**
homes by 2030

#RenovationWave

EU renovation wave initiative

- The **Commission supports many projects on building renovation**, as well as research and innovation in the area, through the Horizon programmes. For example
- the [BUILD UP initiative](#), which provides a web portal that focus on collective intelligence on energy reduction in buildings for all relevant audiences
- the [BUILD UP Skills initiative](#) working to increase the number of qualified building professionals across Europe to deliver building renovations, which offer high-energy performance, as well as new, nearly zero-energy buildings
- the [4RinEU](#) project, which aims to provide new tools and strategies to encourage large scale renovation of existing buildings and fostering the use of renewable energies (see article about the project “[Home improvements for the planet](#)” in six languages).
- For more EU funded energy efficiency projects, consult the [Horizon 2020 energy efficiency data hub](#).

Process

- Renovation of both public and private buildings is an essential measure in this context, and has been singled out in the [European Green Deal](#) as a key initiative to drive energy efficiency in the sector and deliver on objectives.
- As a preparatory step, the Commission published a [roadmap on the initiative](#) in **May 2020, with a 4-week period for public feedback.**
- On **11 June**, the **Commission launched a 4-week** [public consultation](#) to feed into the Commission preparation of this initiative. The contributions from each of the 187 respondents are summarised in a [synthesis report](#).
- On **14 October 2020**, the **Commission published** a [press release](#) – together with [questions and answers](#) – on the Renovation wave strategy and its accompanying staff working documents

New European Bauhaus

- The Commission launched, at the **same time as the Renovation wave strategy**, the initiative on the [New European Bauhaus](#). The initiative is both a network and a contact point at the crossroads between culture, social inclusion, science and technology. The **New European Bauhaus** unfolds in **3 phases: Co-design, Delivery and Dissemination**.
- The design phase was launched on [18 January 2021](#) and will lead to the opening of calls for proposals later in 2021 to bring **New European Bauhaus ideas to life in at least 5 places in EU countries**, through the use of EU funds at national and regional level.

New European Bauhaus

A New European Bauhaus

**A MORE
BEAUTIFUL AND
HUMANE WORLD**

**GOOD
DESIGN
IMPROVES
LIVES**

**NECESSARY
CAN BE
BEAUTIFUL**

#EUBauhaus
#EUGreenDeal





**Comité européen
des régions**

**Europees Comité
van de Regio's**

www.cor.europa.eu

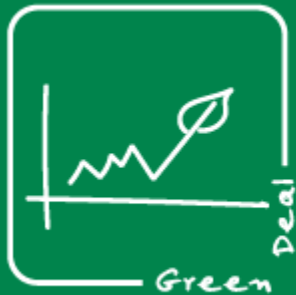
The European Committee of the Regions

- The **European Committee of the Regions** is made up of 329 **members** representing the **regional** and local authorities of the 27 **Member** States of the European Union.
- The **European Committee of the Regions (CoR)** is the [European Union](#)'s (EU) assembly of local and regional representatives that provides sub-national authorities (i.e. regions, counties, provinces, municipalities and cities) with a direct voice within the [EU's institutional framework](#).
- Established in 1994, the CoR was set up to address two main issues.
- **First**, about three quarters of [EU legislation](#) is implemented at local or regional level, so local and regional representatives needed to have a say in the development of new EU laws.
- **Second**, there were concerns about a widening gap between the public and the process of [European integration](#); involving the elected level of government closest to the [citizens](#) was one way of closing the gap.



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Andres Jaadla Cor CoM Ambassador



#EUGreenDeal

#Regions4Climate

Green Deal Going Local



European Committee
of the Regions

Green Deal Going Local



#EUGreenDeal

#Regions4Climate

Green Deal Going Local Working Group Members





European renovation wave 2021-2027



Green Deal Going Local working group

- The **'Green Deal Going Local'** working group is a **new initiative of the European Committee of the Regions** that aims at placing cities and regions at the core of the European Green Deal and ensure that both the EU's sustainable growth strategy and the COVID-19 recovery plan translate into direct funding for cities and regions and tangible projects for every territory.
- The **'Green Deal Going Local'** working group has three specific objectives:
- To **provide a crosscutting view on the numerous policy areas within the European Green Deal** and ensure policy coherence and consistency across files and related opinions.
- To reinforce the institutional outreach of the European Committee of the Regions on the Green Deal as to **place cities and regions at the core of the path towards climate-neutrality**.
- To channel the challenges that local and regional authorities are facing while **implementing the green transition locally and communicate their achievements and best practices** as to facilitate its replication across the European Union.

Green Deal Going Local

Achieving climate
neutrality

Sustainable transport

Preserving Europe's
natural capital

Transition to a
circular economy

A zero-pollution
Europe

From farm to fork

The transformation
of agriculture
and rural areas



Clean, reliable and
affordable energy

Financing
the transition

Leave no one behind
(Just Transition)

Towards a modernised
and simplified CAP

Covenant of Mayors for Climate and Energy – Europe (Covenant-Europe)

- The members of the **Covenant Europe National Ambassadors Chamber** will work to ensure national representation in terms of its governance. They will work to foster more tailored feedback, as well as supporting the promotion of the initiative at national level. These national ambassadors, depending on their availability and the specific situation in their country, may do a series of activities such as:
- **Acting as national Ambassador for the Covenant-Europe:** e.g. by promoting the initiative in their home country or collaborating with other Climate Pact Ambassadors
- **Enhancing the representation of cities at national level** by promoting country-specific activities in cooperation with the Covenant of Mayors Office and boosting cooperation with national governments and others cities
- **Mobilising their peers to join the movement:** e.g. via cooperation with the **national associations** of local and regional authorities. Members of the chamber will also work to ensure the active promotion of the Covenant of Mayors by the **members of the European Parliament**.

Covenant of Mayors Ambassadors



THE NEW COVENANT OF MAYORS



Andres Jaadla Cor CoM Ambassador

Andres Jaadla (EE/Keskerakond) shares environmental best practices with mayors in Sub-Saharan Africa



Mayors Ambassadors



The Covenant of Mayors East

The world's biggest energy initiative, C expanding beyond region, into Africa - examples, principles at Saharan African cities energy.

Andres Jaadla (coordinator of the EI initiator of Covenant c participated in a Cc on 16 February orga European Municipalit



THE NEW COVENANT OF MAYORS
Commitment to local sustainable energy

Andres Jaadla Cor CoM Ambassador

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This workshop will thus be the occasion to discuss recent national policy developments and opportunities, look into good practices from Latvian Covenant signatories and reinforce a **macro-regional Baltic approach** through exchanges with local governments from neighbouring countries (Estonia, Lithuania).



European Committee
of the Regions



Covenant of Mayors
for Climate & Energy
EUROPE



Green Deal
Going Local



#EUGreenDeal



Covenant of Mayors for Climate & Energy

www.eumayors.eu

Sustainable Energy and Climate Action Plan (SECAP) of Rakvere

Climate neutral Rakvere 2035



Climate Change is a
priority for the
European Union
who has set targets for
reducing greenhouse
gas emissions
progressively up to
2050.



Covenant of Mayors
for Climate & Energy

COVID19 time – Preparation Sustainable Energy and Climate Action Plan (SECAP) of Rakvere

- Supporting citizens' choices for more energy efficient buildings
- Estonian Government - 100 million (after COVID 19 program) for more energy efficient buildings
- Rakvere is chosen way for the renovation of residential buildings
- Estonia's first near-zero energy public building is located in Rakvere



A modern, multi-story public building with a dark, textured facade and large windows. The building is situated in an urban environment with trees and a paved area in the foreground. A large tree is visible on the right side of the building. The building has a unique design with a cantilevered section on the left side supported by thick columns.

Estonia's first nearly zero energy - public building is located in Rakvere - Rakvere Smart House



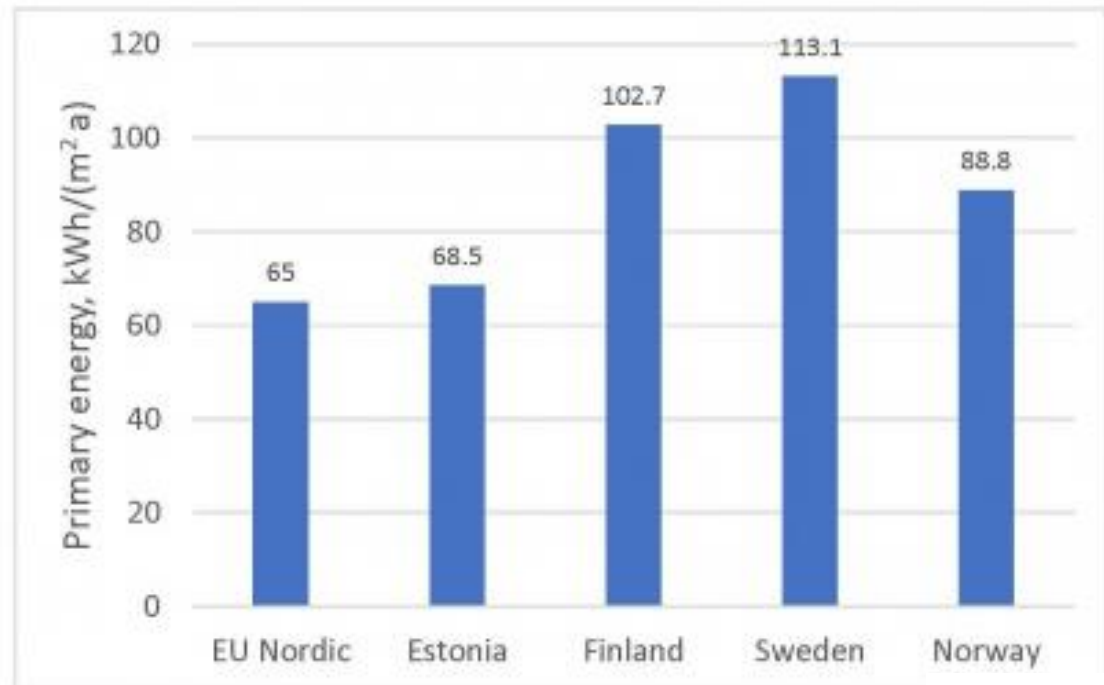
Covenant of Mayors
for Climate & Energy



**Estonia's first nearly-zero
energy - public building is
located in Rakvere**

Estonia has the most energy efficient new nearly zero energy buildings

- The [analyses of the NZEB](#) energy performance requirements and reference apartment buildings in four countries (Estonia, Norway, Finland and Sweden) showed that the nearly zero energy buildings constructed in Estonia are most energy-efficient, i.e. their energy consumption is the lowest.



More energy
efficient buildings
in Rakvere

- Rakvere is the first city in Estonia where most Soviet-era apartment buildings have been renovated!

THE NEW COVENANT OF MAYORS

Andres Jaadla, Cor CoM Ambassador





ESTONIA

- Significant amount of Soviet era standard buildings built from bricks or concrete panels in 1960-1990 and not sustainably renovated
- ca 70% of population in Estonia lives in apartment buildings, most of the residential buildings (97%) in private ownership - **each apartment has a different owner**
- Apartment associations are formed in all apartment buildings – NGOs responsible for building maintenance and renovation – and all apartment owners are members of the association
- Apartment buildings have been fully renovated in Estonia for 10 years already, 1100 apartment buildings have been renovated with the help of support since 2010

Estonia's long-term strategy for building renovation:

- by 2050 full renovation of buildings erected before 2000; 14 000 apartment buildings need renovation (of total 27 000)
- Extremely large social dimension – to improve the living and working conditions of 80% of population

NEED TO SCALE UP THE RENOVATION

The most important condition for renovating a residential building is the owner's will to renovate.

We need to bring the apartment owners and their organisations (apartment associations) into the focus of the renovation wave.

5 ELEMENTS of empowering owners



LEGAL CERTAINTY

- Legal advice
- Well-organized decision-making systems

**Apartment Ownership and
Apartment Associations Act**



BEST PRACTICE, CASE STUDIES

Exchange of experience &
learning from others
**EKYL's Renovation Competitions
for Apartment Associations**

EDUCATION & TRAINING

- Training programs for leaders of
apartment associations (mostly
apartment owners)

**EKYL's 120-hour training program for
the leaders of apartment
associations**



HOMEOWNER

(apartment owner)

Apartment Association

FINANCIAL INCENTIVES

- Support measures &
counselling services for
apartment associations
- Renovation support for full
renovation and loan
guarantee for financing
renovation-related work.**
(KredEx Foundation)

READY-MADE SOLUTIONS

- Technical & digital solutions
- Research & innovation

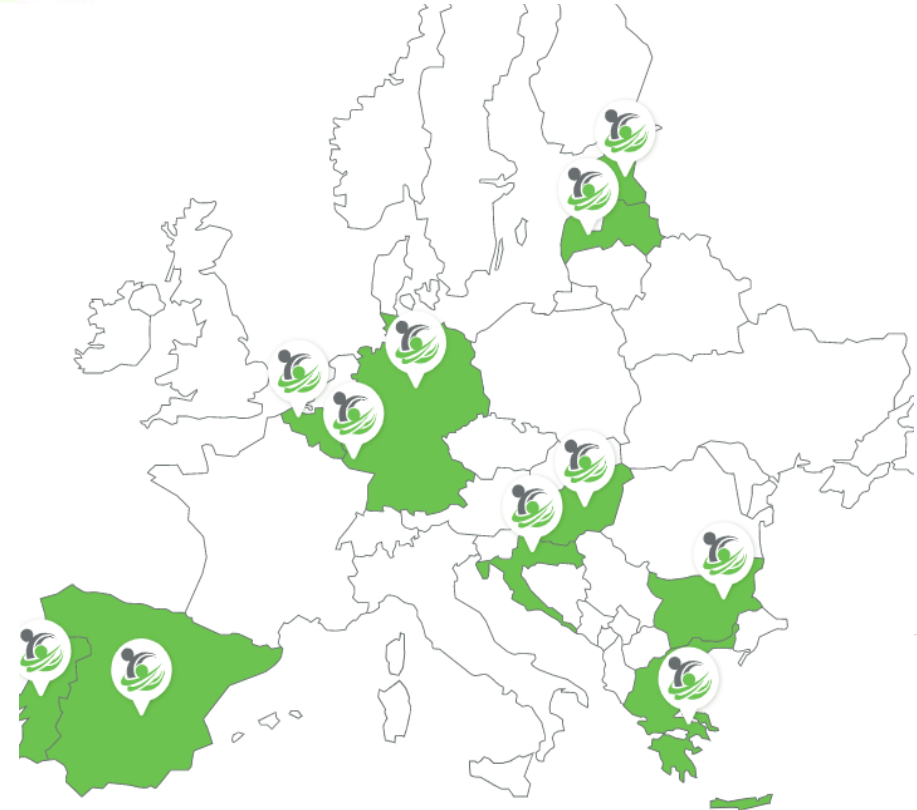
**Solutions for mechanical ventilation system
Renovation using prefabricated components**
(EconMin Estonia, TalTech)



**How to
scale up?**

Solutions from POWERPOOR initiative

- **Through energy poor support programmes** citizens are positioned at the heart of the solution through a gradual transition from an energy poor citizen towards an informed consumer and later an active prosumer. The POWERPOOR Energy Poverty Mitigation Toolkit will provide integrated solution to the citizen.
- **Network of certified Energy Supporters and Mentors** - to engage citizens and provide advice on behaviour changes. Their relevant experience and motivation are going to make them the trusted advisors aiming at alleviating energy poverty in a local level. Energy Supporters and Mentors will help citizens plan, secure funding and implement energy efficiency interventions. – **In Estonia 100 Energy Supporters/Mentors will be trained to work in neighbourhoods in 4 different regions.**
- **Local Energy Poverty office** – a one-stop-shop, where an interested individual can find information on energy efficiency measures, funding schemes and behavioral changes that can enhance their energy efficiency and lower their risk for energy poverty. – **In Estonia, the local energy poverty office will be established in Tallinn.**



14 participants – 8 pilot countries

www.powerpoor.eu



This project has received funding from the European Union's HORIZON 2020 research and innovation programme under grant agreement No 890437



REPUBLIC OF ESTONIA
MINISTRY OF ECONOMIC AFFAIRS
AND COMMUNICATIONS



KREDEX

TAL
TECH

LIFE IP BUILDEST

Pursuing Estonian national climate ambition through
smart and resilient renovation



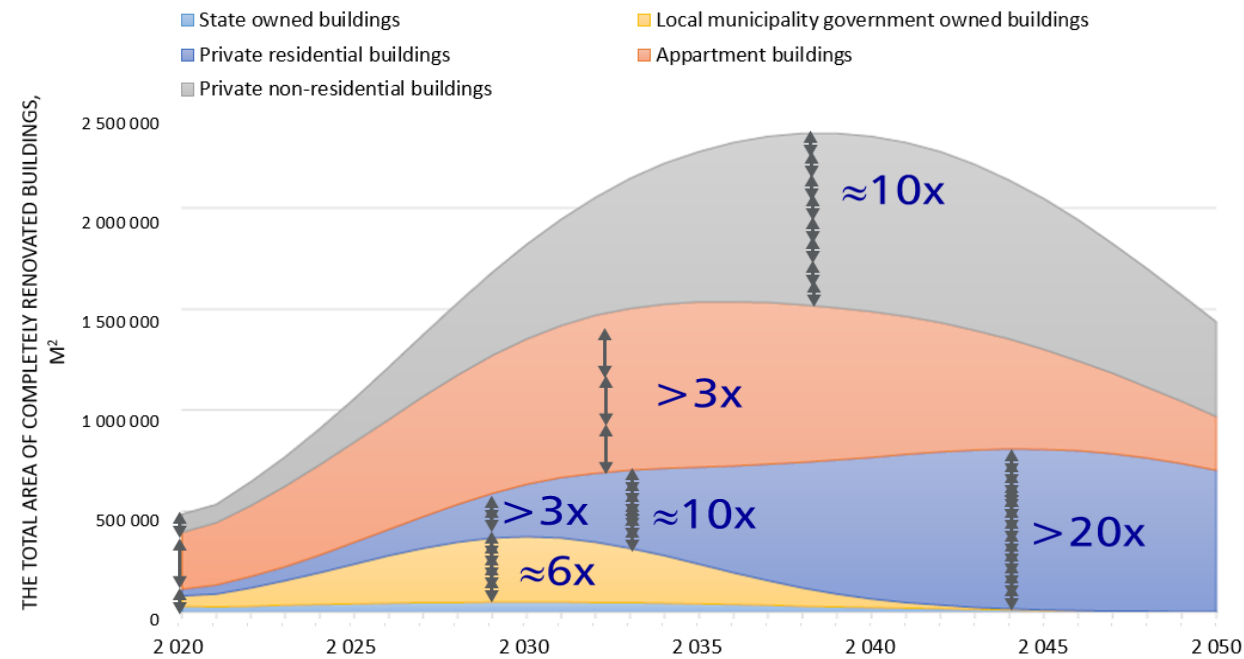


LIFE CLIMA IP BUILDEST

Mitigation sub-programme

Establish technical, administrative and legislative framework for full implementation of **Estonian buildings Long Term Renovation Strategy (LTRS)** and raise national capacity for a successful execution of **Renovation Wave** initiative in Estonia.

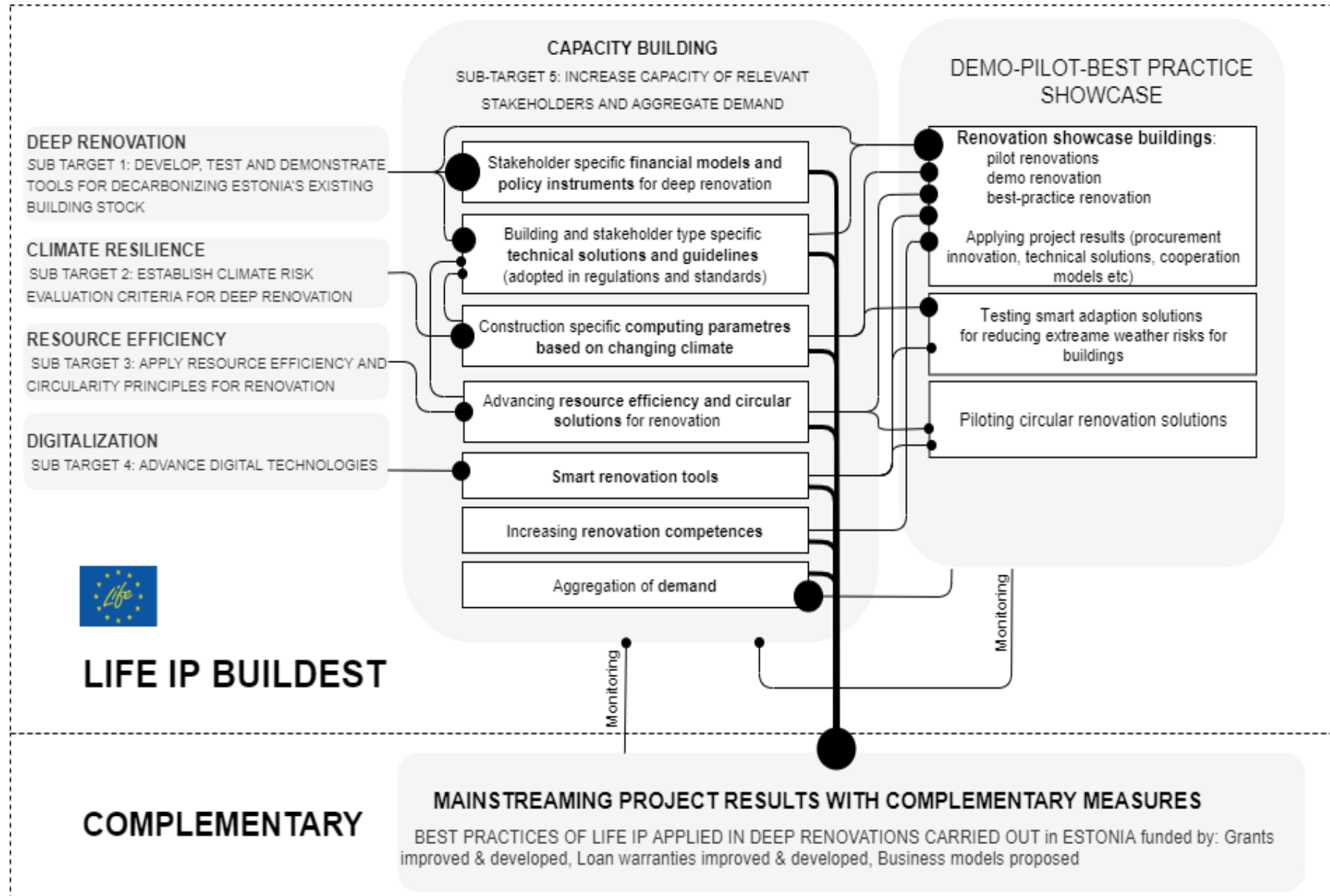
LTRS targets the renovation of Estonian national building stock into highly energy-efficient and decarbonised buildings by 2050, facilitating the cost-effective transformation of existing buildings into nearly zero-energy buildings.



Large scale objectives

- + Develop and implement tools for the full implementation of Estonian buildings Long Term Renovation Strategy:
 - + decarbonizing Estonians existing building stock,
- + identification of climate risks to minimize renovation due to future changing climates ie. ensure the climate resilient built environment;
- + applying resource efficiency and circularity principles for renovation
- + implementing smart solutions and developing digital tools to make processes more efficient and bring them closer to the market.
 - + increasing capacity of relevant stakeholders,
 - + aggregating renovation demand.

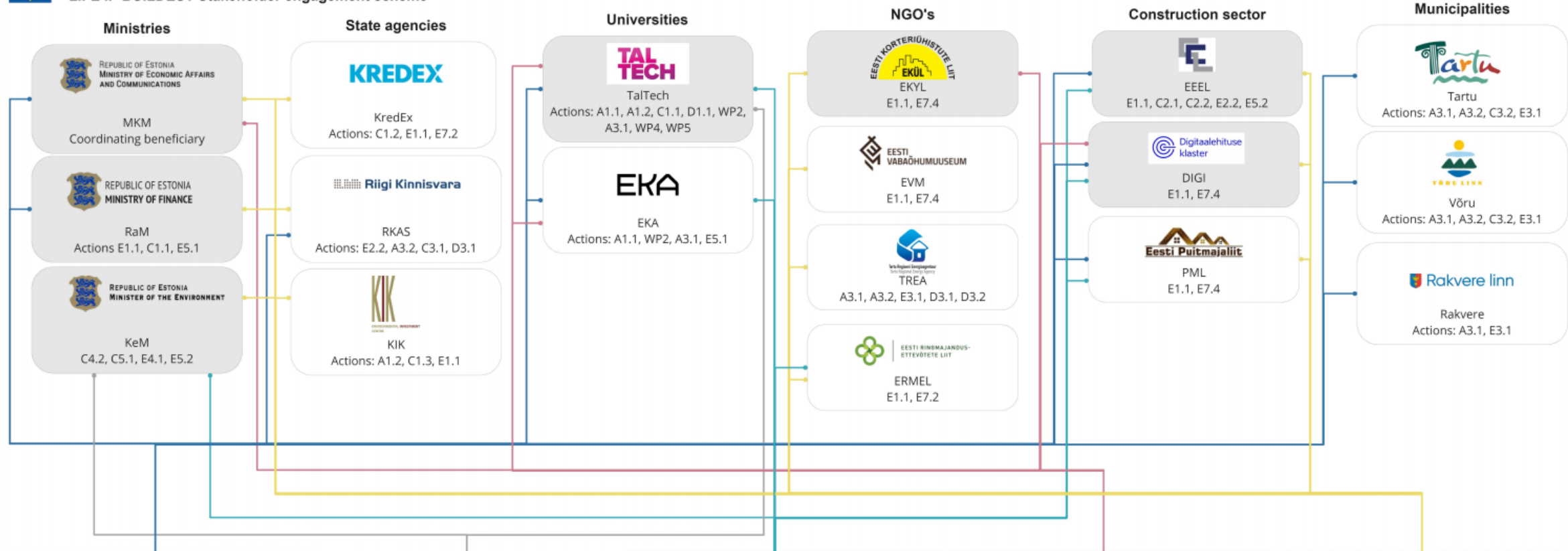
INTERVENTION





Annex 4 LIFE IP BUILDEST proposal: LIFE IP BUILDEST Stakeholder engagement scheme

MEMBERS OF STEERING PANEL



KEY EXTERNAL STAKEHOLDERS

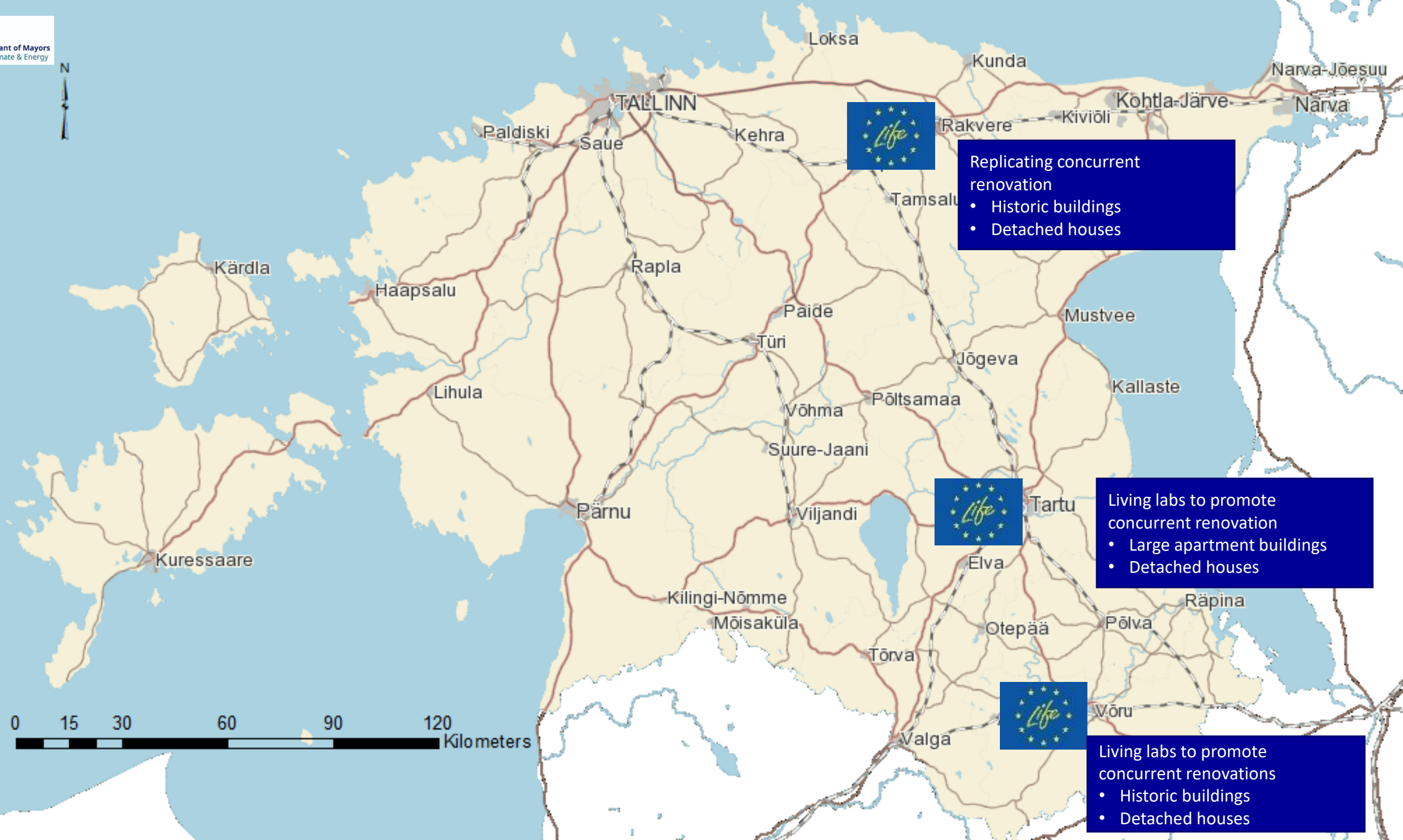
- Estonia:**
- Association of Estonian Cities and Municipalities (LoS included)
 - State Shared Service Centre:
 - Enterprise Estonia;
 - Ministry of Culture/National Heritage Board (LoS included);
 - Stockholm Environmental Institute;
 - Estonian Environmental Law Centre
- EU:**
- DG ENER
 - BPIE
 - Housing Initiative for Eastern Europe (LoS included)

- Estonia:**
- Estonian Centre of for Standardisation and Accreditation (LoS included);
 - Estonian Association of Engineers (LoS included)
 - Estonian Association of Architects (LoS included)
 - Consumer Protection and Technical Regulatory Authority;
 - Centre of Estonian Environmental Research
 - University of Tartu
 - Association of Estonian Cities and Municipalities (LoS included)
- EU:**

- Estonia:**
- Stockholm Environmental Institute;
 - Estonian Association of Engineers (LoS included)
 - Estonian Association of Architects (LoS included)
 - Association of Estonian Cities and Municipalities (LoS included)
 - Circular economy companies;
 - Demolition companies;
 - Association of Estonian Cities and Municipalities (LoS included)
- EU:**
- DG Environment

- Estonia:**
- Energy network managers
 - Association of Estonian Cities and Municipalities (LoS included)
 - Construction companies;
 - Companies contracted for elaboration of E-construction platform;
 - Estonian Association of Engineers (LoS included)
 - Estonian Association of Architects (LoS included)
- EU:**
- DG Environment

- Estonia:**
- Association of Estonian Cities and Municipalities (LoS included)
 - Homeowners and owners unions;
 - Media
- EU:**
- Housing Europe (LoS included)
 - Expert networks
 - Similar projects



Sustainable Energy and Climate Action Plan (SECAP) of Rakvere

Climate neutral Rakvere 2035



NZEB Renovation with prefabricates elements

INSTAL



TAL
TECH

[Video](#)
[Renovation Wave](#)

[Thank You](#)



Your Ambassador of Covenant of Mayors

